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Server/Workstation Solutions

Tiger K8WE

S2877G2NR
S2877ANRF

NVIDIA SLI MULTI GPU

AMD 64 Opteron

NVIDIA nForce Professional 2200

AMD Opteron™ Platform with PCI Express support

- AMD Opteron™ 200 series CPU support
- Up to 24GB DDR400/333/266 Register memory supported
- PCI Express x16 slots
- Integrated LAN ports, (1) GbE LAN + (1) 10/100 LAN
- Dual IEEE 1394a port via cable (ANRF version)

(Specifications are subject to change without notice. Items pictured may only be representative.)

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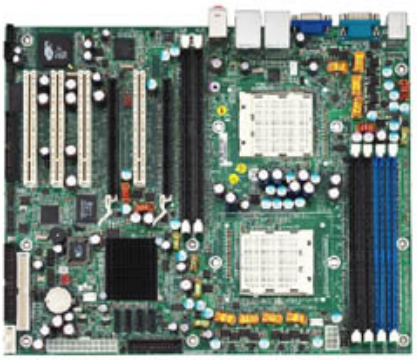
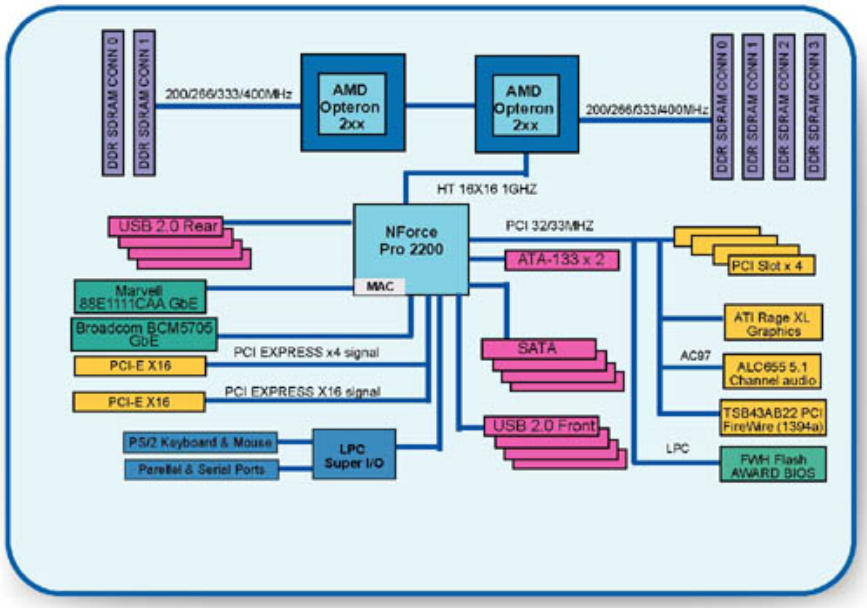


▲TOP View

Block Diagram



S P E C I F I C A T I O N S

Processors
- Supports two AMD Opteron™ 200 series processors
- Two onboard 4-phase VRMs

Chipset
- NVIDIA NForce Professional 2200
- Winbond W83627HF Super I/O
- One Analog Devices ADT7463/ADT7468 Hardware Monitoring IC

Memory
- 128-bit dual channel memory bus
- Six 184-pin DDR DIMM sockets (four from CPU0 and two from CPU1)
- Supports up to 24GB Registered DDR Memory
- Supports ECC type memory modules
- Supports DDR400, DDR333, or DDR266
- Supports four banks memory

Expansion Slots
- Two x16 PCI Express slot (one with x16 signals and one with x4 signals)
- Four 32-bit/33MHz PCI v2.3 slots
- Total of six usable slots

System Management
- Five 3-pin fan headers support tachometer monitoring, three of them support smart FAN control
- Temperature and voltage monitoring
- Port 80h LED display

Integrated I/O Interfaces
- One floppy connector supports up to two drives
- Four USB 2.0 Ports (via cable)
- One COM port (via cable)
- Tyan 2 x 9 front-panel pin header

Integrated ATA-133
- One ATA-133 Channels for up to two ATA-133 device

Back Panel I/O Ports
- Stacked PS/2 Mouse & Keyboard ports
- One 15-pin VGA port (G2NR version only)
- One 25-pin parallel port
- One 9-pin Serial port
- Two stacked RJ-45 with two USB2.0 ports (G2NR version only)
- One stacked RJ-45 with two USB2.0 ports (ANRF version only_
- Stacked two USB2.0 ports (ANRF version only)
- Stacked Mic-in/Line-In/Line-Out audio jacks

System

Integrated Serial ATA controller
- Two integrated dual port SATAII Controllers
- Supports up to four SATAII drives
- Supports 3.0Gb/s
- Supports four independent SATA ports
- Supports raid 0, 1, 0+1

Integrated LAN controllers
- One Broadcom BCM5705 GbE LAN controller (G2NR version only)
  - One RJ-45 LAN connectors with LEDs
  - One front panel LED headers
- One MarvellR 88E1111 GbE PHY
  - One RJ-45 LAN connectors with LEDs
  - One front panel LED headers

Integrated 2D/3D Graphics (G2NR version only)
- ATI RAGE XL PCI controller w/ 8MB memory

Intelligent Platform Management Interface Header(2x25 pin SMDC pin header)
- Tyan Server Management Daughter card M3291(Optional) supports features listed below via IPMI header

Integrated PCI 1394 controller (ANRF version only)
- IEEE 1394 controller TSB43AB22A
  - Two IEEE1394A pin header

Integrated Audio
- Realtek ALC655 6-channel CODEC
- 2 x 5 pin header for front panel audio connector
- CD-in connector

BIOS
- Phoenix BIOSR on 8Mbit LPC Flash ROM
- ACPI 2.0
- Serial Console Redirect
- USB device boot
- 48-bit LBA Support
- Power management: S0, S1, S4 and S5

Power
- ATX12V support, On board 4-phase VRM
- Universal 24-pin + 8-pin power connectors
- 4-pin auxiliary power connector

Form Factor
- ATX footprint, 9.6" x 12.0" (244mm x 305mm)

Regulatory
- FCC Class B (Declaration of Conformity)
- CE (Declaration of Conformity)

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